

This listing of claims replaces all prior versions, and listings, of claims in this application.

Listing of Claims:

- 1-21. (Cancelled).
22. (New) A method for making a reflecting member of a donor antenna, the method comprising:
 - selecting a mold;
 - wrapping the mold with a metallic mesh;
 - wrapping the metallic mesh with a fabric;
 - coating the fabric with a liquid resin;
 - allowing the liquid resin to solidify; and
 - removing the mold,whereby the reflecting member is used to surround an antenna member of the donor antenna longitudinally.
23. (New) The method of claim 22, wherein the mold is a PVC pipe.
24. (New) The method of claim 22, wherein the metallic mesh is a copper mesh.
25. (New) The method of claim 22, wherein the fabric is a fiberglass fabric.
26. (New) The method of claim 22, wherein the liquid resin is a fiberglass compound.

27. (New) A method for making a donor antenna, the method comprising:
surrounding an antenna member of the donor antenna with a reflecting member
along a longitudinal axis of the antenna member.
28. (New) The method of claim 27, wherein the reflecting member comprises a metallic mesh.
29. (New) The method of claim 28, wherein the metallic mesh is a copper mesh.
30. (New) The method of claim 28, the metallic mesh is wrapped by a fabric.
31. (New) The method of claim 30, wherein the fabric is a fiberglass fabric.
32. (New) The method of claim 28, the fabric is coated with a liquid resin.
33. (New) The method of claim 32, wherein the liquid resin is a fiberglass compound.
34. (New) The method of claim 27, further comprising:
selecting a mold having a diameter of the reflecting member;
wrapping the mold with a metallic mesh;
wrapping the metallic mesh with a fabric;
coating the fabric with a liquid resin;
allowing the liquid resin to solidify;
removing the mold; and

inserting the antenna member in the reflecting member.

35. (New) A method for making a donor antenna having an antenna member and a longitudinal axis, the method comprising:

selecting a mold having a diameter sufficiently large to accommodate the antenna member;

wrapping the mold with a metallic mesh;

wrapping the metallic mesh with a fabric;

coating the fabric with a liquid resin;

allowing the liquid resin to solidify;

removing the mold; and

inserting the antenna member within space surrounded by the metallic mesh,

whereby the antenna member produces side lobes characterized by a size and an extent extending radially away from the longitudinal axis and forward and rear lobes characterized by a size and an extent along the longitudinal axis, and

the metallic mesh decreases the size and the extent of the side lobes and increases the size and the extent of the forward and rear lobes.

36. (New) The method of claim 35, wherein the mold is a PVC pipe.

37. (New) The method of claim 35, wherein the metallic mesh is a copper mesh.

38. (New) The method of claim 35, wherein the fabric is a fiberglass fabric.

39. (New) The method of claim 35, wherein the liquid resin is a fiberglass compound.
40. (New) The method of claim 35, further comprising separating the antenna member from the metallic mesh.
41. (New) The method of claim 35, further comprising providing one or more spacing members between the antenna member and the metallic mesh.